

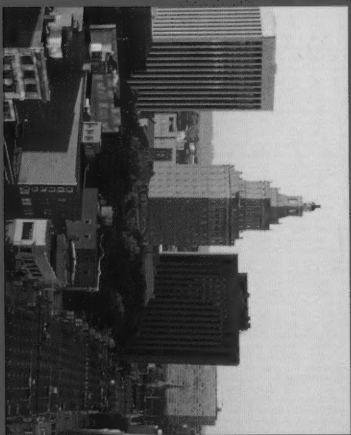


CHEN

The Council for Higher Education in Newark



**The Economic
Impact of
Higher Education
in the City
of Newark**



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Essex County College
Dr. A. Zachary Yamba
President

New Jersey Institute
of Technology
Dr. Saul K. Fenster
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Rutgers, The State University
of New Jersey
Newark Campus
Dr. Norman Samuels
Provost

University of Medicine and
Dentistry of New Jersey
Dr. Stuart D. Cook
President

NEWARK'S PARTNER FOR ECONOMIC STRENGTH

Over the past decade, the City of Newark has undergone tremendous renewal and revitalization. From the opening of the New Jersey Performing Arts Center to an increased demand for downtown office space to the construction of numerous new housing communities, the city has witnessed a resurgence in the number of people who are choosing to visit, work, learn, and live in Newark.

Anchoring this renewal are the four higher educational institutions that make up the Council for Higher Education in Newark (CHEN): Essex County College, New Jersey Institute of Technology, Rutgers University-Newark, and the University of Medicine and Dentistry of New Jersey. These four highly respected institutions bring an unparalleled strength to the City of Newark, Essex County, and the entire State of New Jersey by generating billions of dollars in economic activity annually.

A LEADING EMPLOYER

CHEN's contributions to the increasing vitality of Newark and its surrounding communities are sizable. If viewed as a business, CHEN would be a \$1.1 billion corporation with more than 11,800 employees, \$480 million in payrolls, and 26,000 students. CHEN ranks as one of the largest employers in Newark, with 9 percent of all jobs in the city. In Essex County, CHEN generates more direct jobs than the chemical, construction, apparel, printing, legal, or engineering sectors.



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A FAR-REACHING IMPACT

The \$1.1 billion in direct expenditures by the four CHEN

institutions represents only a part of its many contributions to the economy of the greater New Jersey region. Funds expended for labor, materials, and services create a ripple effect that benefits nearly every sector of the New Jersey economy, particularly within the City of Newark and Essex County.

Thousands of students graduate each year from CHEN institutions and join the workforce as productive, skilled workers and entrepreneurs. They are physicians, dentists, and nurses, who advance the practice of medicine; engineers, architects, and computer scientists, who create the innovations of today and tomorrow; executives, teachers, and lawyers, who build businesses, minds, and legal strategies; and allied health professionals, who prevent and heal disease.

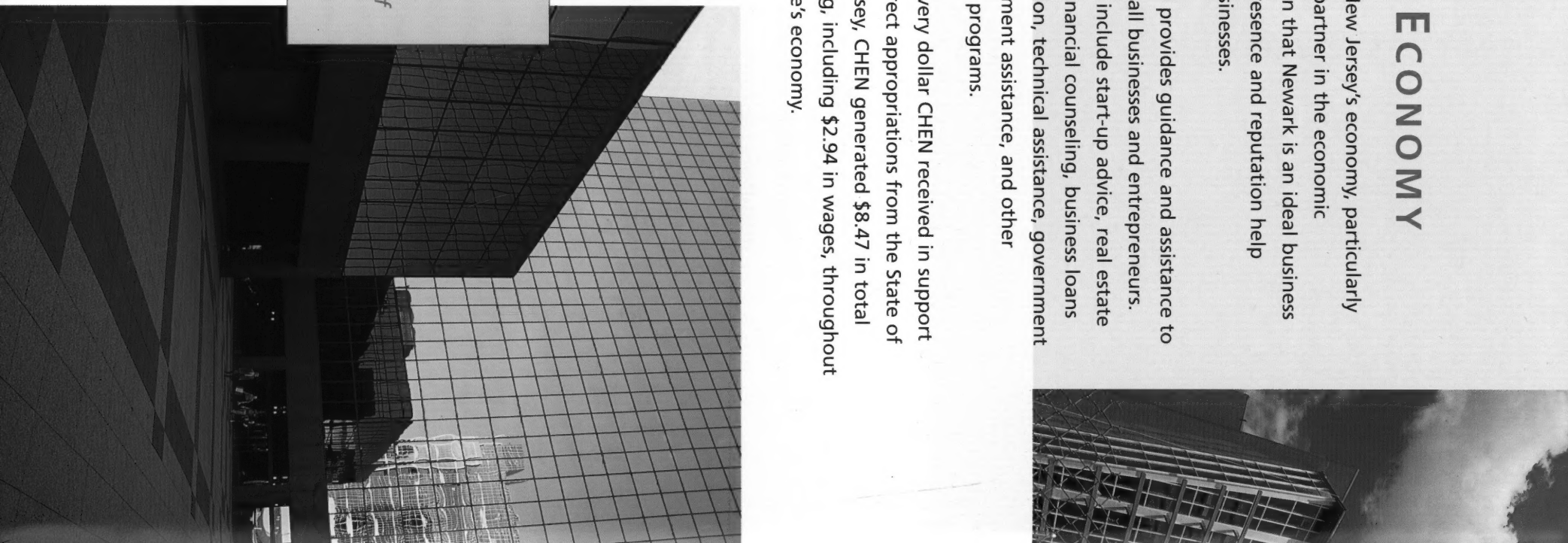
CHEN institutions also impact the well-being of the community by sponsoring programs, projects, and support activities that improve the lives of individuals, families, and businesses living and operating there.

FUELING THE NEW JERSEY ECONOMY

CHEN exerts a strong, sustained, and measurable impact on New Jersey's economy, particularly within the City of Newark and Essex County. As a long-term partner in the economic development of its community, CHEN enhances the perception that Newark is an ideal business location and destination. The CHEN members' institutional presence and reputation help Newark and Essex County to attract new investments and businesses.

- In fiscal year 2000, CHEN helped to generate more than \$2.6 billion in total spending in the State of New Jersey as a result of its initial expenditure of \$1.1 billion.
- As the effects of CHEN's spending were felt throughout the state economy, wages earned by workers totaled over \$917 million. More than half (\$481 million) represented wages earned by CHEN employees and the rest by workers in various supplying industries throughout the state.
- CHEN activities generated 24,558 full-time jobs throughout the state, of which almost half (12,124) were in Essex County. An impressive 10,304 jobs were at CHEN institutions, illustrating that the City of Newark received the major benefits of employment.
- CHEN's presence as a dynamic academic hub in the heart of urban Newark enhances the city's perception as a vibrant business location and increases its ability to attract major investors.
- CHEN schools and their employees are major supporters of local banks and other financial institutions. Such transactions and investments represent hundreds of millions of dollars, and they help to expand the credit base available in New Jersey.
- CHEN provides guidance and assistance to local small businesses and entrepreneurs. Services include start-up advice, real estate space, financial counseling, business loans facilitation, technical assistance, government procurement assistance, and other support programs.
- For every dollar CHEN received in support from direct appropriations from the State of New Jersey, CHEN generated \$8.47 in total spending, including \$2.94 in wages, throughout the state's economy.

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*Science Park construction site
in University Heights*

REVITALIZING A VIBRANT CITY

Capital investments, taxes generated, and new collaborations among CHEN schools and institutions in the community have helped to bring about unprecedented renewal in New Jersey's largest city. Although each of the four CHEN members is unique in its mission, resources, and capabilities, the close proximity of the institutions to one another creates a synergy that increases the number of ways in which they can combine their resources to meet local needs.

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- "Capital Investments on CHEN institutions between 1990 and 2000 generated a total of \$923 million in spending and 7,843 construction-related jobs throughout the state. Investments planned for 2001-2005 are expected to generate \$918 million in spending and 7,801 jobs in New Jersey."*

ADVANCING EDUCATIONAL OPPORTUNITIES FOR NEW JERSEY'S FUTURE

The four CHEN institutions have responded to rapidly changing educational and workforce needs by continually developing and updating their degree programs and by introducing new ones. CHEN schools have also been involved in a number of efforts to prepare students for higher education and to increase the number of minority and underserved applicants to the schools. These efforts ensure that graduates of CHEN schools are prepared to meet the economic, technological, and social challenges of today and tomorrow. Skills acquired by CHEN graduates translate to higher earnings and a larger impact on the regional and state economy. CHEN supports students in need and prepares them to be New Jersey's leaders of tomorrow.

- Individually and jointly, CHEN institutions have developed new programs in health, business, urban affairs, international affairs, and science. Significant changes have been made to the schools' curricula to incorporate new technologies and to reflect the changing needs of students, the community, and business and industry.
- CHEN schools provide a wide range of pre-college enrichment programs to attract students from the Newark community and to increase the number of minority applicants to the schools. Activities include academic support to students and faculty to increase retention and graduation rates, programs to strengthen students' academic and study skills, SAT preparation, and teacher training at schools that are likely to refer students.
- The Graduate Center at Newark—a joint venture of the New Jersey Institute of Technology, Rutgers-Newark, and the University of Medicine and Dentistry of New Jersey—further the quality of graduate education and research, and helps to attract more high-level graduate students and post-doctoral fellows to Newark.
- The Faculty Alliance for Education—a collaboration of faculty from Essex County College, the New Jersey Institute of Technology, Rutgers-Newark, Malcolm X Shabazz High School, and Central High School—aims to create a seamless curriculum from grades K through 12 to ensure that students are prepared for higher education.
- CHEN schools strive proactively to reach diversity goals for their students, faculty, and staff. One of the schools ranks as having the most diverse student population among national universities.

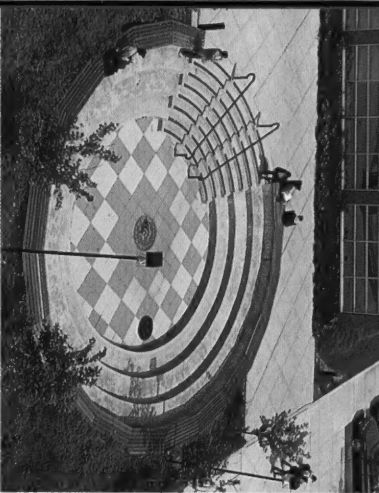


IMPROVING THE QUALITY OF LIFE

CHEN's contributions to the City of Newark and its surrounding community extend far beyond their economic impact. CHEN institutions have demonstrated their commitment to their urban location through numerous efforts to improve the lives of their community's residents. These endeavors include health care services, family support programs, research studies, and constructive policies.

- Tens of millions of dollars in research grants are awarded to CHEN institutions each year. The research initiatives are diverse, with many of them involving issues of great concern to New Jerseyans. Examples include gene research; medical disorders including autism, cancer, tuberculosis, and septic shock syndrome; transportation issues; and improving the environment.
- The Newark community benefits from an enormous variety of health care services provided by CHEN schools. These include medical and dental care, behavioral health programs, health education programs, crisis intervention, health screenings, and support for individuals with disabilities.
- Among the direct services CHEN members provide to benefit their community and the state are: job training, employment services, family support programs, home care education, safety education, senior education programs, and the use of school facilities by community groups.
- Through a variety of development efforts and collaborative studies, CHEN assists local and state government in the advancement of constructive policies and programs involving such areas as regional transportation, telecommunications, high-tech industries, manufacturing, culture, and housing.
- CHEN provides two of five critical objectives, higher education and health care, that were cited as crucial to Newark's future growth by the recently released *Final Report of the Newark in the 21st Century Task Force*. The task force, a blue-ribbon civic group that examined Newark's current position and future prospects, confirmed CHEN's role as an anchor in Newark's infrastructure, and in the city's overall economic development strategy.





Essex County College

Essex County College (ECC) is a comprehensive community college offering multiple resources for academic and career growth. For more than three decades, it has been an integral partner in promoting the general welfare and economic vitality of Newark and the greater Essex County community. ECC currently enrolls more than 8,500 students who are pursuing credit course work in academic disciplines. Thousands of others are enrolled in special programs to attain basic skills proficiency and literacy in the English language or to pursue numerous continuing education opportunities for professional development and personal enrichment. The college offers more than 400 credit courses and a wide range of transfer and career programs. There are more than 50 major areas of study in disciplines ranging from the humanities, social sciences and business to the natural sciences, allied health, engineering and computer science. Students can earn Associate in Arts and Associate in Science degrees for transfer to four-year colleges or Associate in Applied Science degrees and one-year certificate options to prepare for immediate employment in a specific career field.

Support services and special programs at ECC are designed to meet a variety of community needs and interests. These offerings span pre-college instruction and youth activities to multilingual out-reach and extensive customized training opportunities.

Established in 1966 as the community college of the County of Essex, ECC opened in 1968 in downtown Newark and, in 1976, moved to its current location in the University Heights district. Today, its 22-acre main campus includes a three-block megastructure and gymnasium/child care center complex, a Center for Technology and the Clara E. Dasher Student Center. The college also operates a thriving branch campus in West Caldwell, the Essex County College Police Academy in Cedar Grove, and extension centers throughout Essex County, including the Ironbound and FOCUS centers in Newark.

www.essex.edu

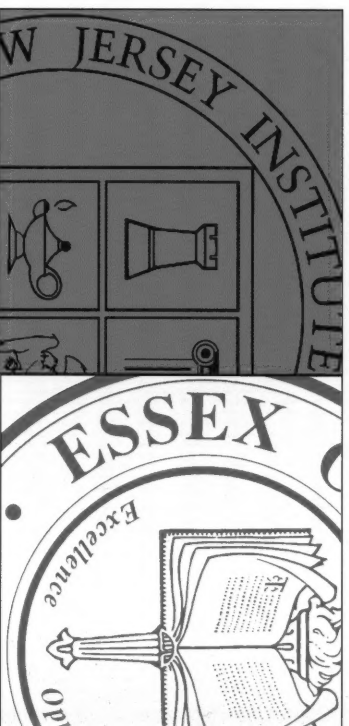


New Jersey Institute of Technology

The New Jersey Institute of Technology

New Jersey Institute of Technology (NJIT) is the state's comprehensive public technological university. Founded in 1881, the university today has a student enrollment of almost 9,000, of which more than a third are graduate students. Add to this number some 3,000 in pre-college programs, and several thousand in continuing professional education. NJIT has six academic units: The Newark College of Engineering, the New Jersey School of Architecture, the School of Management, the College of Science and Liberal Arts, the College of Computing Sciences, and the Albert Dorman Honors College.

Known for the quality of its academic programs, NJIT has become a leader in interdisciplinary applied research. Research expenditures now exceed \$46 million annually, with funding from leading corporations, foundations, government agencies, and other organizations. At NJIT, research and economic development centers are an essential part of the university mission. Advanced study takes place in such fields as environmental science and engineering, life



sciences, manufacturing, telecommunications, information technology, materials science and engineering, transportation, infrastructure, and architecture and building science. The university is also home to two Enterprise Development Centers, which house about three dozen technology start up businesses.

Ranked as the nation's most "wired" public university and as one of about 200 national universities, NJIT is committed to applying advanced technologies in the search for solutions to real problems encountered by large and small organizations in the public and private sectors. Efforts are focused on protecting the natural environment, designing new applications for emerging technologies, and increasing productivity through advanced manufacturing methods and skillful management of technology.

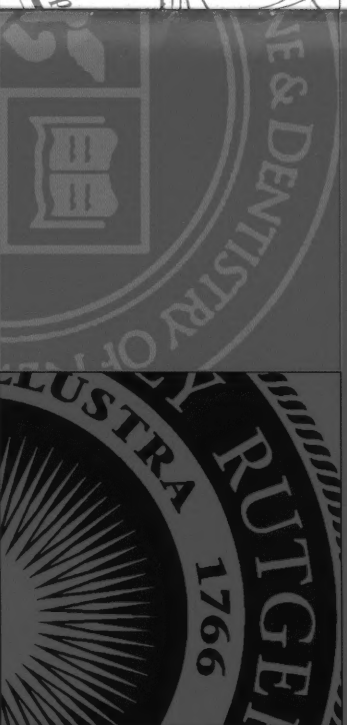
www.njit.edu



Rutgers, the State University of New Jersey Campus at Newark

Rutgers, the State University of New Jersey is one of the nation's leading research and doctoral granting universities. The Newark campus is home to 10,000 students pursuing a wide range of undergraduate, graduate, and professional degrees in the arts and sciences, business, nursing, criminal justice, and law. The campus has 430 full-time faculty members. Through an extensive number of programs, Rutgers-Newark fulfills its mission to share, acquire, and apply knowledge through teaching, research, and service to the people of New Jersey and beyond.

Rutgers-Newark's roots date back to the early 1930s, when several colleges and schools merged to form the University of Newark. In 1946, the campus became part of the state university. Today, Rutgers-Newark comprises eight schools: the Newark College of Arts and Sciences, University College-Newark, the Graduate School-Newark, the School of Management, the Graduate School of Management, the School of Law-Newark, the College of Nursing, and the School of Criminal Justice.



Rutgers-Newark's extensive research and outreach centers include the Center for Molecular and Behavioral Neurosciences, the Center for Global Change and Governance, the Cornwall Center for Metropolitan Studies, New Jersey Small Business Development Center, and the Institute for Jazz Studies.

www.rutgers-newark.rutgers.edu

The information in this publication is drawn from the CHEN Economic Impact Report 2000, compiled by The Roper Group, in association with A. Ijan Consulting. A copy of the full report is available at www.chen-nj.org.

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The University of Medicine and Dentistry of New Jersey

The University of Medicine and Dentistry of New Jersey (UMDNJ) is the state's university of the health sciences. A unique statewide system for higher education, research, health care, and community service, UMDNJ is the largest institution of its kind in the nation. UMDNJ comprises eight schools: the Graduate School of Biomedical Sciences, New Jersey Dental School, New Jersey Medical School, Robert Wood Johnson Medical School, the School of Health Related Professions, the School of Nursing, the School of Osteopathic Medicine, and the School of Public Health. More than 5,000 students prepare at the University for careers in medicine, dentistry, allied health, nursing, public health, and biomedical research. UMDNJ also owns and operates UMDNJ-University Hospital, in Newark, and University Behavioral HealthCare, the nation's largest provider of comprehensive mental health services.

UMDNJ offers health care centers of excellence, where research results are translated into clinical care and the most advanced treatment. These centers include oncology, neurosciences, ophthalmology, heart disease, infectious diseases, child health, genetics, and geriatrics. One of these centers, the Cancer Institute of New Jersey is the only National Cancer Institute-designated Clinical Cancer Center in the state.

UMDNJ is ranked in the top 100 research universities in the nation. External research dollars topped \$200 million this year. Community service is also an important part of UMDNJ's mission. Outreach programs are offered to the community through mobile teams and community-based clinics.

The University leverages support by attracting more than \$7 million of economic activity for every \$1 million of state investment an impact of \$2 billion on New Jersey's economy.

www.umdj.edu

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